

ABSTRACT OF THE DISCLOSURE

A color correction device for correcting colors in a color image comprises:
coordinates for registering points in a first color space of at least one standard point,
5 the first color space having axes for specifying colors;
a second set of coordinates for registering points in a second color space of at least
one standard point, the second color space having coordinates that include at least one
coordinate for specifying color hue;
a translator to convert image data of at least one point in the first color space to
10 coordinates in the second color space;
a modifier for modifying at least hue within image data in the second color space to
form corrected image data in the second color space; and
a translator for transferring corrected image data in the second color space to
corrected image data in the first color space.

The color correction device may include a means for creating a tone reproduction curve based on
conceptually moving one or other limit of a range of image color values in order to provide a
tone reproduction curve with improved rendering of the color correction.

PCT/US2015/032204